

# CNC Plasma Pipe Cutting Machine

This CNC plasma pipe cutting machine is engineered for precise and efficient cutting of metal pipes using plasma technology. It features a CNC control system for automated operation and high accuracy.



## Overview



Robust frame design featuring a rotating chuck for secure pipe handling and precision torch positioning.

## High-Precision Pipe Cutting Solution

This CNC plasma and flame pipe cutting machine is designed for efficient, automated metal fabrication. It features a robust steel structure and advanced control systems, making it suitable for high-quality, repeatable pipe cutting in industrial environments. With integrated nesting software and versatile cutting processes, it optimizes material usage and streamlines production workflows.

## Cutting Capabilities

Cutting Processes	Plasma Cutting, Flame Cutting
Flame Cutting Gases	Acetylene, Propane, LPG - O2

## Performance Metrics

### Key Performance Metrics

**6000 mm/min**

Positioning Speed

**0.5 mm/1000mm**

Positioning Accuracy

**0.2 mm/1000mm**

Repeating Accuracy

## Technical Specifications

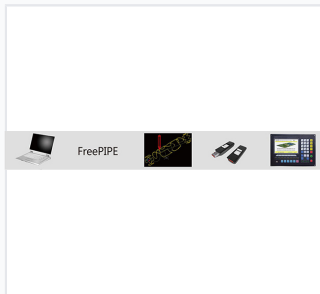
### Pipe Handling Specifications

Parameter	Value/Range
Diameter Range	60-315 mm
Available Lengths	3000 mm, 6000 mm
Max Loading Capacity	500 kg (for 3000mm pipe)
Max Thickness	15 mm

### Input Voltage Options

- 110V
- 220V
- 230V
- 240V
- 380V
- 400V
- 415V

## Hardware & Control



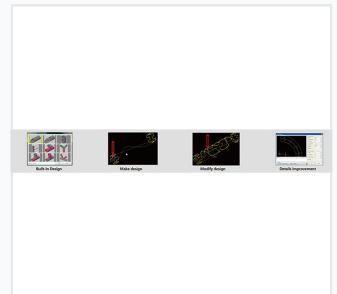
User-friendly interface designed for easy operation and monitoring of the cutting process.



Dedicated CNC controller for precise 3-axis movement and automated operation.



Control panel featuring integrated safety systems, including an emergency stop for operational security.



Integrated software tools allow for easy drawing modification, design optimization, and G-code generation.

### Nesting Software

G-Code Generation • Drawing Modification • Design Optimization

#### Control System

3-Axis CNC Control with Servo Motor Drive

#### Plasma Power Source Compatibility

Powermax 45, Powermax 65, Powermax 85, Powermax 105, Powermax 125